

CITY OF DAYTON – DIVISION OF BUILDING INSPECTION

STRUCTURAL PLAN REVIEW CHECKLIST – SIGNS, AWNINGS, & CANOPIES (CHAPTER 31 – SECTIONS 3102 & 3105)

PROJECT
ADDRESS _____

PERMIT # _____

DATE _____

This attachment is made part of and amends the drawings and application so as to include any of the applicable requirements. Special attention shall be given to items indicated by **circled numbers entered on the drawings** which refer to the corresponding paragraphs in this attachment.

All new installations, erections, and structural modifications of exterior signs, awnings, and canopies submitted for plan review and permit shall **bear the “seal”** of a State of Ohio registered design professional. ORC Section 3791.04.

UNSAFE AND UNLAWFUL SIGNS

1. The Zoning ordinance may have additional requirements not indicated here. Signs, awnings, and canopies that are in the City of Dayton Right-of-Way shall be subject to City of Dayton Engineering Department regulations and approval. Where more restrictive, Zoning ordinance and Right-of-Way regulations shall take precedence over the regulations of the Ohio Basic Building Code. OBBC 3102.3.

GENERAL REQUIREMENTS

2. Plans have been **certified by a registered architect or professional engineer** as to the structural and technical aspects of work being done shall conform to OBBC requirements per Section 4101:2-1-22(C).
3. All sign parts including supports, braces, guys, and anchors shall be kept in repair. Where not galvanized or constructed of approved corrosion-resistant noncombustible material, sign shall be painted. OBBC 3102.5.2.
4. All signs shall be designed and constructed in conformance with the OBBC requirements for materials, loads, and stresses. OBBC 3102.6.

5. All signs shall be designed to withstand a minimum wind load of 80 mph. OBBC 3102.6.1 and 1609.3.
6. A sign shall not be illuminated by other than electrical means and electrical devices and wiring and shall be installed in accordance with the requirements of NFPA 70. OBBC 3102.6.3.
7. Where sign facings are of wood or approved combustible plastic, the area of the facing is limited to 120 square feet and the wiring for electric lighting shall be entirely enclosed in the sign cabinet with a clearance of not less than 2 inches from the facing material. OBBC 3102.6.4.2.

Facings made from flameresistant-coated fabric or flexible sign face plastic are not limited in area but material shall comply with NFPA 701. Test data shall be submitted for permit approval. OBBC 3102.6.4.2.

GROUND SIGNS

8. Maximum height of a combustible structural frame for a ground sign is 35 feet. OBBC 3102.7.
9. Maximum height for a ground sign constructed entirely of noncombustible material is 100 feet. OBBC 3102.7.
10. Concrete footing shall be designed to resist frost action and to support safely all vertical and lateral loads imposed. The overturning moment due to wind load shall not exceed two-thirds of the dead load. See note 4 and 5 above.

A. Location and footing inspection is required: After trench is excavated and/or footing forms are set with any required reinforcing in place and before footing is poured, property lines must be established. To request a footing inspection, call 333-3897.

ROOF SIGNS

11. Roof signs shall be constructed entirely of metal or other approved noncombustible materials (for exception see note 7 above). Provide for electric grounding of all metal parts. Keep all wiring and tubing free and insulated from any material that is permitted to be combustible. OBBC 3102.8.1.
12. Minimum clear space below a roof sign to roof level shall be 6 feet. OBBC 3102.8.2.

13. Closed roof signs (more than 50 percent of the entire area is covered or closed to the transmission of wind) shall be a maximum height of 50 feet above the roof when the building is Type 1 or 2 construction. When the building is of Type 3, 4, or 5 construction, the maximum height shall be 35 feet above the roof. OBBC 3102.8.3.
14. Open roof signs (a sign which is erected, constructed and maintained above the roof of the building, and which at least 50 % of the enclosed area is uncovered or open to the transmission of wind) shall be a maximum height of 100 feet above the roof when the building is of Type 1 and 2 construction. When the building is of Type 3, 4, or 5 construction, the maximum height shall be 60 feet above the roof. OBBC 3102.8.4.

WALL SIGNS

15. Wall signs exceeding 40 square feet shall be constructed of metal or other approved noncombustible material. OBBC 3102.9.1.
16. Wall signs shall not extend above the top of the wall nor extend beyond the ends of the wall to which the sign is attached unless such sign conforms to all of the requirements for roof signs, projecting signs, or ground signs. OBBC 3102.9.2.

PROJECTING SIGNS

17. Projecting signs shall be constructed entirely of metal or other approved noncombustible material OBBC 3102.10.1. For exception see OBBC 3102.6.4 for permitted ornamental features.
18. Projecting signs require a vertical clearance for not less than 8 feet below all parts of the projecting sign. OBBC 3102.10.3.
19. Projecting sign structure shall be capable of supporting an additional concentrated horizontal load of not less than 100 pounds and an additional concentrated vertical load of not less than 300 pounds at the point of most eccentric loading. The building component to which the projecting sign is attached shall also support these loads. OBBC 3102.10.4.
20. **Marquee signs** shall be constructed entirely of metal or other noncombustible materials (see OBBC 3102.6.4 and 3203.11) and shall not project beyond the perimeter of the marquee. OBBC 3102.11.

PORTABLE SIGNS

21. Portable signs shall conform to all the requirements for ground, roof, projecting, flat, and temporary signs when used in a similar capacity. OBBC 3102.14.
22. Portable ground signs shall be anchored at each supporting leg in a manner to withstand all superimposed loads and shall provide stability for the expected duration of the installation (See note 4 and 5 above). OBBC 3102.14.
23. Portable signs that require electrical service shall have a positive connecting device on the sign. Electrical service lines to the sign shall be protected from damage from all traffic. **An electrical permit is required.** See note 27 below. OBBC 3102.14.1.

ILLUMINATED SIGNS

24. All electrically illuminated signs shall be certified as to electric wiring and devices by the City of Dayton per the NEC. All wiring and accessory electrical equipment shall conform to the requirements of NFPA 70. **A separate electrical permit shall be obtained for wiring and installation of electrical equipment for sign illumination.** See note 27 below. OBBC 3102.13.1

AWNINGS AND CANOPIES

25. Fixed awnings, canopies, and similar structures shall be designed and constructed to withstand wind loads, other lateral loads, and live loads as required by Chapter 16. Structural members shall be protected to prevent deterioration. OBBC 1607.6.2 and 3105.3.
26. Canopies or similar structure with stanchions shall be constructed of a metal framework with an approved flameresistant covering that complies with NFPA 701. The horizontal framework shall not be less than 8 feet nor more than 12 feet above the walking surface. Clearance between covering or valance and the walking surface shall not be less than 7 feet. OBBC 3105.4.
27. A separate electrical permit shall be obtained for the wiring and installation of electrical equipment for sign, awning, and canopy illumination. All work shall be performed by electricians licensed by the City of Dayton. To request electrical permit, phone 333-3881.
28. The “**JOBSITE COPY**” plans and a copy of the permit received from the City of Dayton **MUST BE KEPT ON THE JOB SITE AT ALL TIMES.**

29. **Sign inspection required:** Twenty-four hour notice is required for an inspection. To request inspection phone 333-3887.

Rev 12/99